

Anti-TRPM7 antibody



Description	Unconjugated Rabbit polyclonal to TRPM7
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Model	STJ191547
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Gene ID	54822
Gene Symbol	TRPM7
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	TRPM7 Polyclonal Antibody detects endogenous levels of protein.
Purification	TRPM7 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Transient receptor potential cation channel subfamily M member 7 Channel-kinase 1 Long transient receptor potential channel 7 LTrpC-7 LTrpC7
Molecular Weight	205 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.

Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:17994 OMIM:105500
Alternative Names	Transient receptor potential cation channel subfamily M member 7 Channel-kinase 1 Long transient receptor potential channel 7 LTrpC-7 LTrpC7
Function	Essential ion channel and serine/threonine-protein kinase. Divalent cation channel permeable to calcium and magnesium. Has a central role in magnesium ion homeostasis and in the regulation of anoxic neuronal cell death. Involved in TNF-induced necroptosis downstream of MLKL by mediating calcium influx. The kinase activity is essential for the channel function. May be involved in a fundamental process that adjusts plasma membrane divalent cation fluxes according to the metabolic state of the cell. Phosphorylates annexin A1 (ANXA1).
Cellular Localization	Membrane
Post-translational Modifications	Autophosphorylated.

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